



2828

USSN: 09/829,781
Group No. 2828
Examiner: Gioacchino Inzirillo
Page 1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Tsung-Yuan Hsu)
Application No: 09/829,781)
Filed: 4/10/2001)
For: "Bandwidth Enhanced Self-Injection)
Locked DFB Laser with Narrow Linewidth")
Group Art No.: 2828
Examiner: Gioacchino Inzirillo
Re: RESPONSE
Our Ref: B-3916 617818-6/RPB
Date: December 19, 2002

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Dear Sir:

This paper is filed in response to the official action dated September 26, 2002.

IN THE CLAIMS

Please amend the following claim and add the new claims identified below:

(Amended) Claim 27. The laser system of claim 23 wherein the filter is a Bragg Fiber Grating.

Claim 29. The laser system of claim 1 wherein the modulator is a surface acoustic wave (SAW) device.

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01 FC:1201
02 FC:1202

84,00 CH
36,00 CH

Claim 30. A laser system with self-injection locking, the laser system comprising:
single frequency laser having a laser output for delivering laser light at a frequency ω_0 ;

(b) an optical modulator coupled to the output of the laser for generating two

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